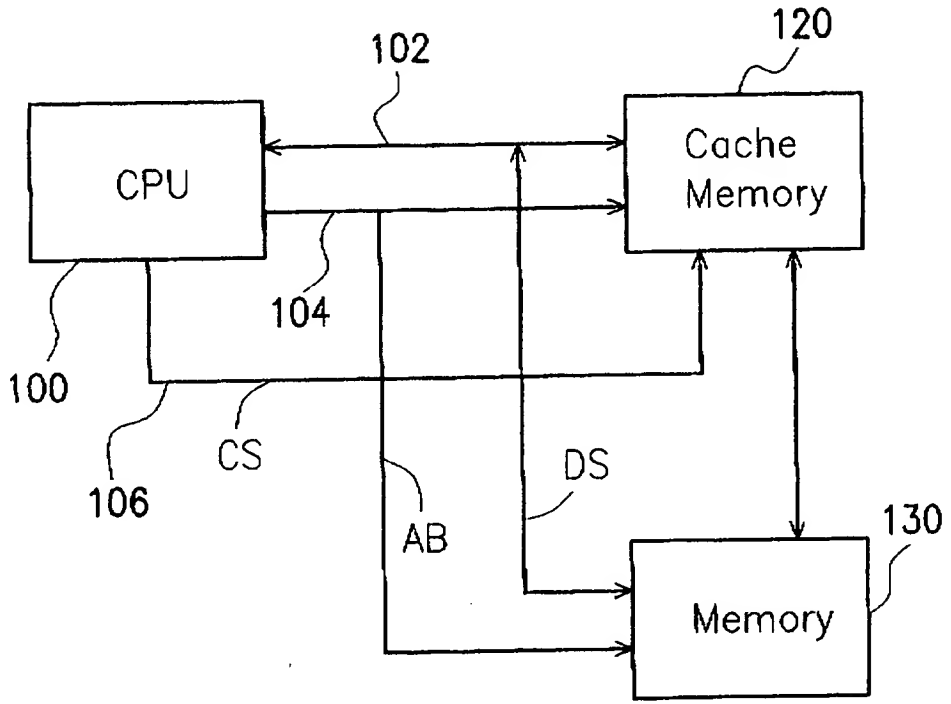

FIG. 1 (PRIOR ART)

I_1 (branch Loop)
I_2
I_3 (Not in Cache Memory)
•
•
Loop I_{10}
I_{11}
I_{12}

FIG. 2A

	C_1	C_2	C_3	C_4	C_5	C_6	C_7	C_8		
Fetch	I_1	I_2	I_3	I_3	I_3	I_{10}	I_{11}	I_{12}		
Decode		I_1	I_2	I_2	I_2	I_2	I_{10}	I_{11}		
Execute			I_1	I_1	I_1	I_1	I_2	I_{10}		

FIG. 2B

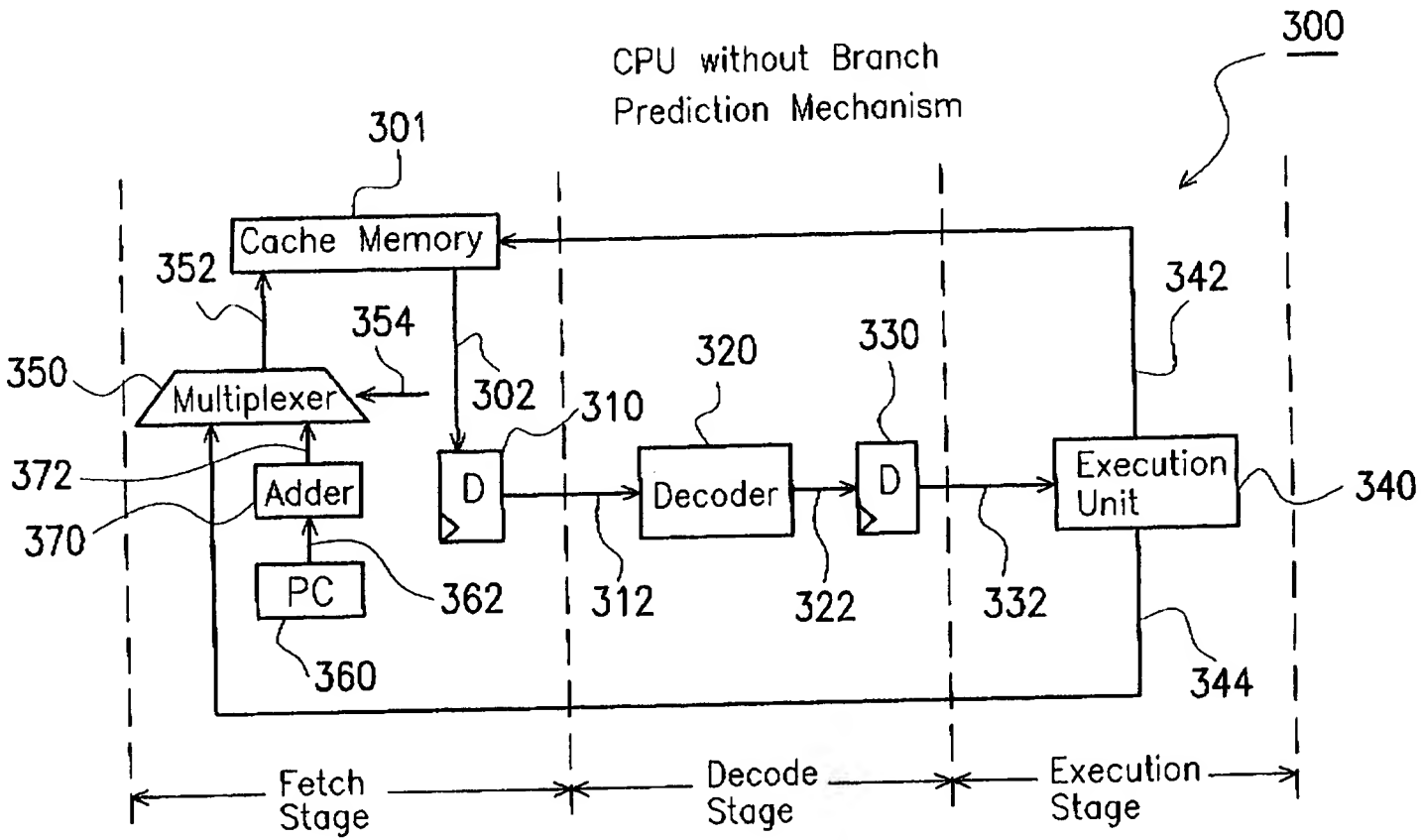

FIG. 3

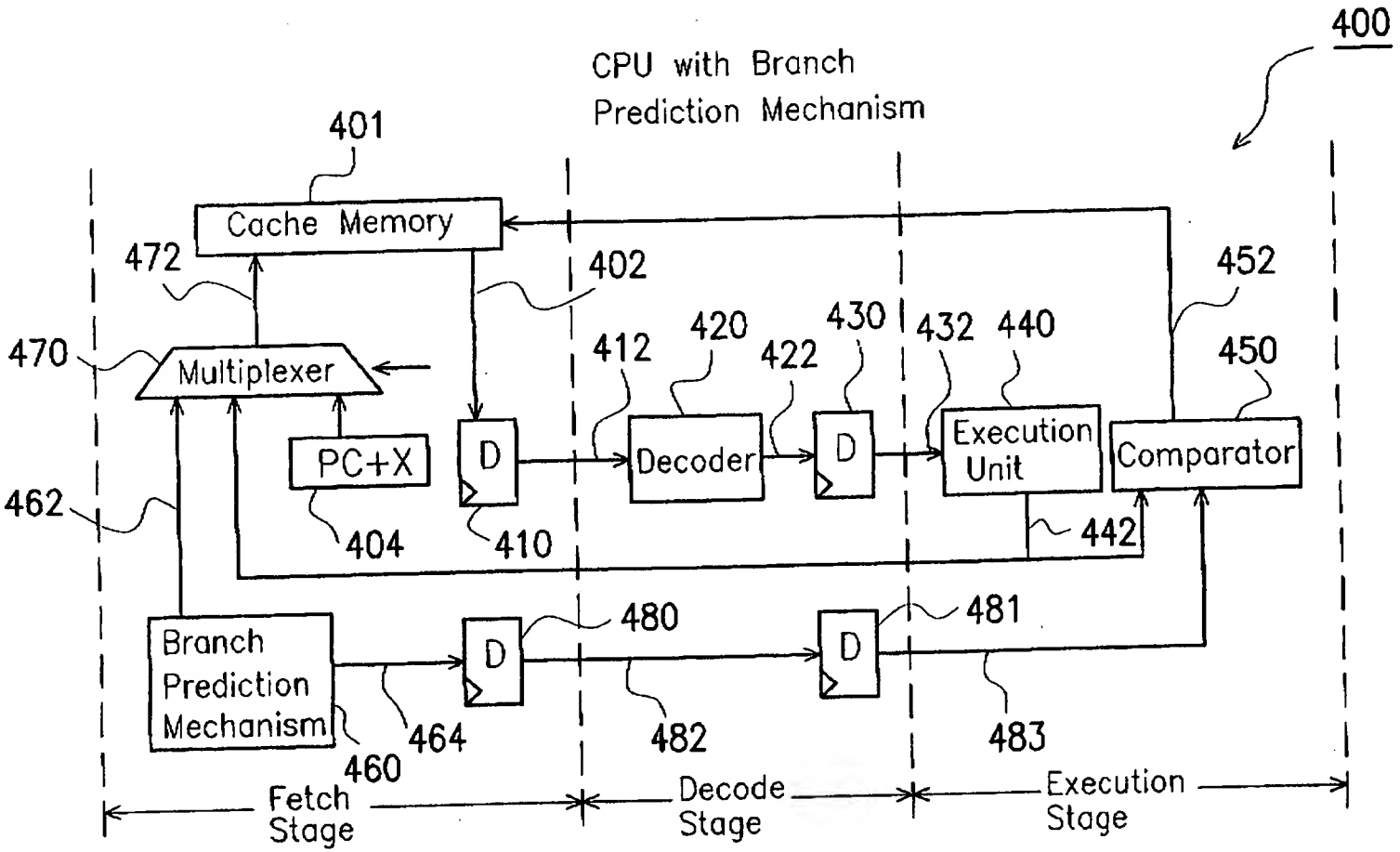

FIG. 4

	C_1	C_2	C_3	C_4	C_5	C_6	
Fetch	I_1	I_2	I_3	I_{10}	I_{11}	I_{12}	
Decode		I_1	I_2	I_3	I_{10}	I_{11}	
Execute			I_1	I_2	I_3	I_{10}	

FIG. 5